

**ABSTRACT OF THE DISCLOSURE**

A digital image capture and processing system, comprising a lens coupled to a lens control element is disclosed. The image capture system includes an image sensor configured to capture images from the lens, and a memory element and a processor coupled to the lens control element. The memory element includes image capture software, where the image capture software causes the lens and the image sensor to capture at least two images, each of the at least two images captured using a varying parameter and stored as a single file where the at least two images are combined to form a new image having at least one characteristic different from corresponding characteristics of the at least two images.